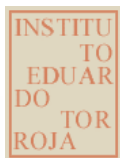




**CSIC**  
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



**INSTITUTO DE CIENCIAS  
DE LA CONSTRUCCIÓN  
EDUARDO TORROJA**

C/ Serrano Galvache, 4. 28033 Madrid (Spain)  
Tel.: (+34) 91 302 0440 [www.ietcc.csic.es](http://www.ietcc.csic.es)  
[gestiondit@ietcc.csic.es](mailto:gestiondit@ietcc.csic.es) [dit.ietcc.csic.es](mailto:dit.ietcc.csic.es)



## European Technical Assessment **ETA 24/1246** of 20/ 07/ 2025

English translation prepared by IETcc. Original version in Spanish language

### General Part

#### Technical Assessment Body issuing the European Technical Assessment:

Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc)

**Trade name of the construction product**

**Neorooft**

**Product family to which the construction product belongs**

Liquid Applied Roof Waterproofing Kit, based on polyurethane-acrylic resins

**Manufacturer**

**NEOTEX, S.A**

V. Moira, Industrial Area Mandra 196 00, Greece

**Manufacturing plant(s)**

V. Moira, Industrial Area Mandra 196 00, Greece

**This European Technical Assessment contains**

5 pages.

included Annex 1, which form an integral part of this assessment + Annex 2 that contains confidential information and is not included in the European Technical Assessment when that assessment is publicly disseminated

**This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of**

EAD 030350-00-0402

Liquid applied roof waterproofing kits

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full (excepted the confidential Annex(es) referred to above). However, partial reproduction may be made, with the written consent of the issuing Technical Assessment Body. Any partial reproduction has to be identified as such.



## Specific parts

### 1. Technical description of the product

The Liquid Applied Roof Waterproofing Kit (LARWK) Neorooft, based on the hybrid (PU-acrylic) resins, manufactured by the company NEOTEX S.A. is designed and installed in accordance with the manufacturer, design and installation instructions, deposited at the IETcc. This LARWK comprises the following components, which are factory produced by the manufacturer or a supplier.

Components	Trade name		Consumption
Primer	Concrete	Neoproof PU Primer (Pr1)	$\geq 0,20 \text{ kg/m}^2$
		Revinox (Pr2) (diluted with water 1:4)	$\geq 0,05 \text{ kg/m}^2$
	Steel	Acqua Primer NP (Pr3)	$\geq 0,12 \text{ kg/m}^2$
		Neotex Metal Primer (Pr4)	$\geq 0,10 \text{ kg/m}^2$
Internal reinforcement	Neotextile		-----
Waterproofing membrane	Neorooft		$\geq 2,5 \text{ kg/m}^2$

Neorooft is a liquid cold applied roof waterproofing membrane based on polyurethane-acrylic in water-based resin, manufactured by the company NEOTEX, S.A. The waterproofing system consists of a resin, one-component, elastomeric with an internal mesh, which once polymerised creates a jointless elastic lining, in form of a layer completely bonded to the support (concrete, metal, etc<sup>1</sup>). Depending on support condition other type of primer may be advisable<sup>2</sup>.

The minimum layer thickness of the assembled system has to be 1,2 mm with internal mesh-reinforcement.

### 2. Specification of the intended use in accordance with the applicable European Assessment Document (hereinafter EAD)

#### 2.1 Intended use(s)

The intended use of this System is the waterproofing of roof against the water, both in liquid as well as vapour form, with any slope between 0 and  $>30\%$  (S1-S4), for any type of categorisation of user load between P1 and resists the effects of low surface temperatures of  $-30\text{ }^{\circ}\text{C}$  (TL4) and high temperatures of  $90\text{ }^{\circ}\text{C}$  (TH4) (Annex 1) for a working life of 25 years (W3). This LARWK fulfils the Basic works requirements n.º 2 (Safety in case of fire), n.º 3 (Hygiene, health and the environment) and n.º 4 (Safety in use) of the European Regulation 305/11.

This LARWK is made of non-load-bearing construction elements. It does not contribute directly to the stability of the roof on which is installed, but it can contribute its durability by providing enhanced protection from the effect of weathering.

This LARWK can be used on new or existing (retrofit) roofs. It can also be used on vertical surfaces (singular details).

#### 2.2 Relevant general conditions for the use of the kit

The provisions made in this European Technical Assessment are based on an assumed working life of 25 years from installation in the works, according to EAD030350-00-0402, provided that the conditions lay down for the installation, packaging, transport and storage as well as appropriate use, maintenance and repair are met. In this respect.

The indications given on the working life (25 years - W3) cannot be interpreted as a guarantee given neither by the product manufacturer nor by EOTA nor by the Technical Assessment Body issuing this ETA, but are regarded only as a means for choosing the right product in relation to the expected economically reasonable working life of the works.

<sup>1</sup> Other supports with similar comparability can be used.

<sup>2</sup> Under supervision and responsibility of the manufacturer other type of primer can be used with the system



**Installation.** The Kit is installed on site. It is the responsibility of the manufacturer to guarantee that the information about design and installation of this system is effectively communicated to the concerned people. This information can be given using reproductions of the respective parts of this ETA. Besides, all the data concerning the execution shall be clearly indicated on the packaging and/or the corresponding technical documents.

**Design** In the MTD the manufacture gives information on the quantities consumed and the processing, which shall lead to a thickness of the roof waterproofing  $\geq 1.2$  mm.

**Execution** Particularly, it is recommended to consider:

- The kit installation has to be carried out by qualified installers,
- The components of the kit indicated in this ETA can only be used,
- The supervision of the amount of material used ( $\text{kg/m}^2$ ) and the visual control to check that each coat covers totally the one below, can ensure the minimum thickness of the kits,
- Inspection of the roof surface (cleanliness and correct preparation) before applying the roof waterproofing,
- The recommended temperature of the product to be assembled will be between  $+5^\circ\text{C}$  and  $+40^\circ\text{C}$  and it will be not admitted support temperatures upper to  $45^\circ\text{C}$ . In other conditions, it will need to follow the manufacturer's instructions

Before, the installation of Neorooft, it is recommended to read its safety data sheet.

**Use, maintenance and repair of the works.** Roofs with deteriorated areas of waterproofing layers will be repaired following the installation instructions of the manufacturer. Further installation details are laid down in the MTD place at IETcc.

### 3 Performance of the product and references to the methods used for its assessment

The identification tests and the assessment for the intended use of Neorooft according to the Basic Work Requirements (BWR) were carried out in compliance with EAD 030350-00-0402. The characteristics of each system shall correspond to the respective values laid down in following tables of this ETA, checked by IETcc. Methods of verification and of assessing and judging are listed afterwards.

#### 3.1 Safety in case of fire (BWR 2)

Basic requirement for construction works 2: Safety in case of fire		
Essential characteristic	Relevant clause in EAD	Performance
External fire performance of roofs	2.2.1	NPA
Reaction to fire	2.2.2	NPA

#### 3.2 Hygiene, health and environment (BWR 3)

Basic requirement for construction works 3: Hygiene, health, and the environment			
Essential characteristic	Relevant clause in EAD	Performance	
Content, emission and/or release of dangerous substances	2.2.3	NPA	
Resistance to water vapour	2.2.4	μ = 1171 (1.4 mm thickness)	
Watertightness	2.2.5	Watertight	
Resistance to wind loads	2.2.6	Delamination strength: Support + Reinforced system	Pass ≥ 50 kPa (kPa)
		Steel + Pr3	870
		Steel + Pr4	NPA
		Concrete + Pr1	950
		Concrete + Pr2	NPA
		The failure mode was between support and membrane on concrete – steel support	



Resistance to mechanical damage (perforation)	2.2.7	P1		
	2.2.7.1	Resistance to dynamic indentation (23 °C)		
		Support		Level of resistance
		Steel		I3
	2.2.7.2	Resistance to static indentation (23 °C)		
Temperature		Support	Level of resistance	
23 °C		Steel	L1	
Resistance to fatigue movement	2.2.8	Resistance to fatigue movement. W3: 1000 cycles (-10 °C): Pass		
Resistance to the effects of low and high surface temperatures	2.2.9	Low temperatures: TL4 Extreme low temperatures: TL4 High temperatures: TH4		
	2.2.9.1	R. Dynamic Indentation (- 30°C)		
		Temperature	Support	Level of resistance
		-30 °C	Steel	I4
	2.2.9.2	Crack blinding capacity: Pass		
	2.2.9.3	R. Static indentation (90 °C)		
Temperature		Support	Level of resistance	
90 °C		Steel	L1	
Resistance to ageing media (Heat and water)	2.2.10.1	Resistance to heat ageing W3, S (severe) (200 days at 80 °C)		
		R. Dynamic Indentation (W3)		
		Temperature	Days	Support
		-20 °C	200	Steel
		-30 °C	days	Steel
		Resistance to fatigue movement after 200 days at 80 °C (50 cycles) at -10 °C : Pass		
		Tensile properties (MPa / %)		
		Without internal mesh		Initial: 1.6 / 109
				Ageing: 2.6 / 58
		With internal mesh		Initial: 2 / 82
			Ageing: -----	
	2.2.10.3	Resistance to water ageing W3, S1-S2, (60, days at 60 °C)		
		R. Static indentation		
		Temperature	Support	Level of resistance
		30 - 90 °C	Steel	L1
Resistance to delamination (kPa) ≥ 50 kPa				
Resistance to UV radiation in the presence of moisture	2.2.10.2	Concrete + Pr1		780
		W3, S (severe), 5000 hours with finishing layers		
		R. Dynamic Indentation (W3)		
		Temperature	Support	Level of resistance
		-10 °C	Steel	I4
		Tensile properties (MPa / %)		
		Without internal mesh	Initial:	1.6 / 109
			Ageing:	2.8 / 92
With internal mesh	Initial:	2.0 / 82		
	Ageing:	-----		
Resistance to plant roots	2.2.11	NPA		
Effects of variations in kit components and site practices	2.2.12	R. Dynamic indentation at 23 °C		
		Curing Temperature	Support	Level of resistance
		5 °C	Steel	I4
		40 °C	Steel	I4
		Tensile properties		
		Curing Temperature	MPa / %	
		5 °C	NPA	
Effects of the days joint	2.2.13	40 °C	NPA	
		Delamination strength: 910 kPa		

### 3.3 Safety and accessibility in use (BWR 4)

Basic requirement for construction works 4: Safety and accessibility in use		
Essential characteristic	Relevant clause in EAD	Performance
Slipperiness	2.2.14	NPA



#### 4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base

According to the decision 98/599/EC of October 1998, Official Journal of the European Communities N.º L 287, 24.10.1998) of the European Commission<sup>3</sup>, system 3 of assessment and verification of constancy of performance (see EC delegated regulation (EU) No 568/2014 amending Annex V to Regulation (EU) N° 305/2011) applies.

Product	Intended uses	Level or Classes	System
Neorooft	Liquid Applied Roof Waterproofing Kit	Any	3

#### 5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan, which is deposited at IETcc<sup>4</sup>.

Prepared by: PhD Julián Rivera (Innovative Products Assessment Unit, IETcc-CSIC)  
Issued in Madrid on 20 of July 2025  
By

Director  
on behalf of Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc – CSIC)

#### Annex 1

##### Characteristics of the Neorooft System

Minimum thickness	1,2 mm
Water vapour diffusion resistant factor	$\mu=1171$ (thickness 1.4 mm)
Resistance to wind loads	$\geq 50\text{kPa}$
Resistance to plant roots	NPA
Statement on dangerous substances	NPA
Resistance to slipperiness	NPA

##### Performance levels according to the intended use

External fire performance	NPA
Fire reaction	NPA
Expected working life	W3
Climatic zone of use	S (Severe)
User loads	P1
Roof slopes	S1-S4
Minimum surface temperature	TL4 (-30 °C)
Maximum surface temperature	TH4 (90 °C) - TH1 (30 °C)

<sup>3</sup> Published in the Official Journal of the European Union (OJEU) L 262, 14/10/2003 P. 0034 - 0036.

See [www.new.eur-lex.europa.eu/oj/direct-access.html](http://www.new.eur-lex.europa.eu/oj/direct-access.html)

<sup>4</sup> The Control Plan is a confidential part of the ETA and only handed over to the notified certification body involved in the assessment and verification of constancy of performance.

